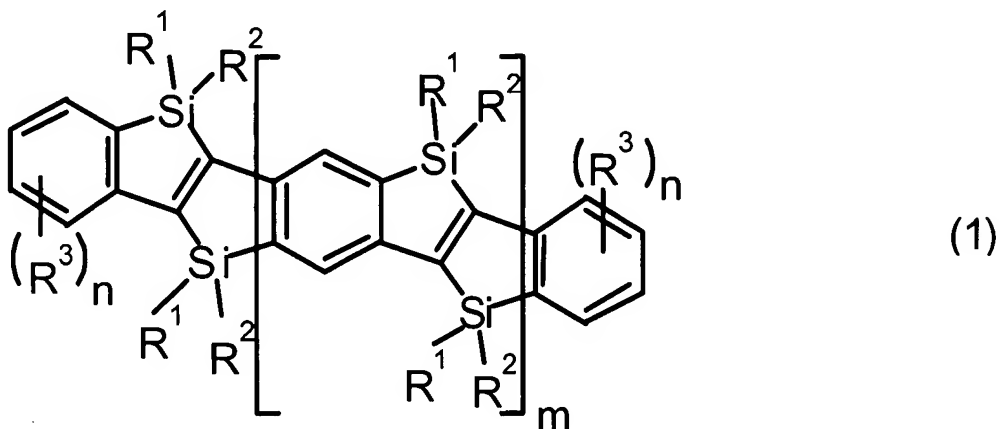


AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

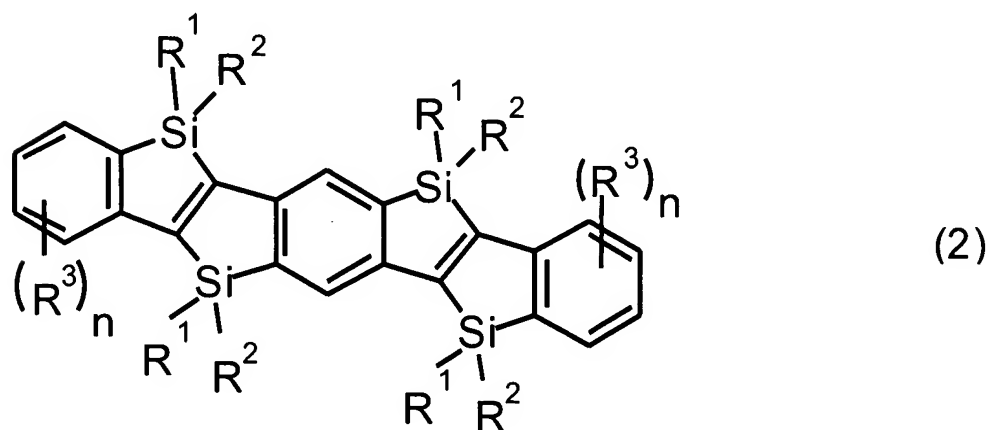
1. (Withdrawn) A condensed polycyclic π -conjugated organic material, comprising a compound of formula (1):



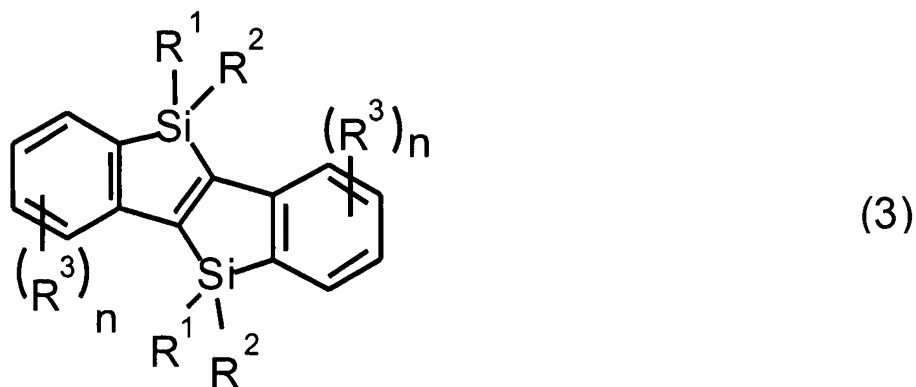
where each of R^1 and R^2 , independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R^3 is a hydrogen atom, an alkyl group, an alkylthio group, an arylalkyl group, an arylthio group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a

substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted imino group, an oxazoridyl group, an aminoalkyl group, an alkoxyalkyl group, a sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; m is from 1 to 50; and n is from 0 to 4.

2. (Withdrawn) The condensed polycyclic π -conjugated organic material as set forth in claim 1, wherein the compound has formula (2):



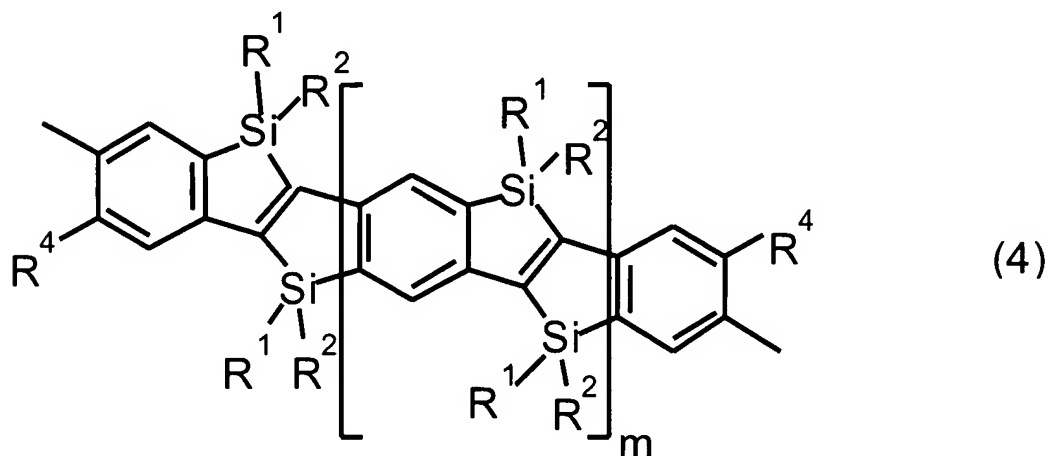
3. (Withdrawn) A condensed polycyclic π -conjugated organic material of formula (3):



where each of R^1 and R^2 , independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R^3 is an alkyl group, an alkylthio group, an arylalkyl group, an arylthio group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted imino group, an oxazoridyl group, an aminoalkyl group, an alkoxyalkyl group, a sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a

phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; and n is from 1 to 4.

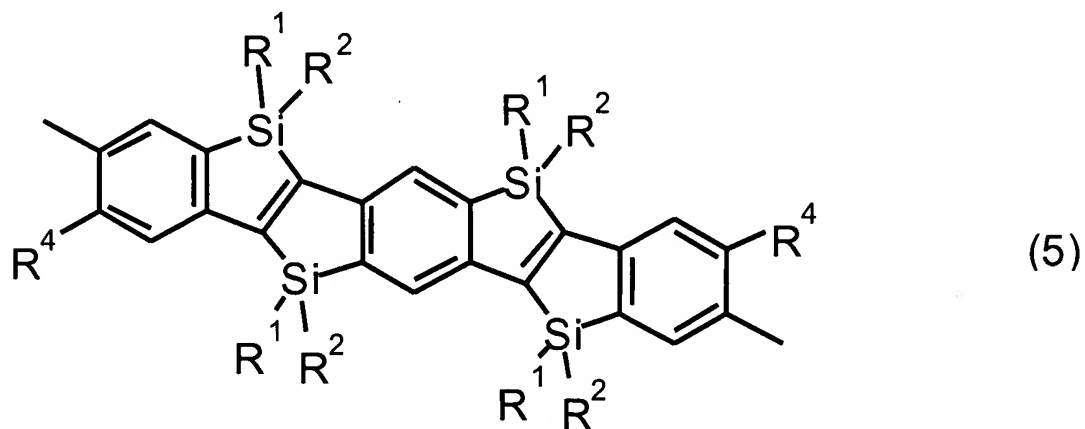
4. (Original) A condensed polycyclic π -conjugated organic material, being a polymer comprising a compound of formula (4) as a repeating unit and having a number average polystyrene-equivalent molecular weight of 10^3 to 10^8 :



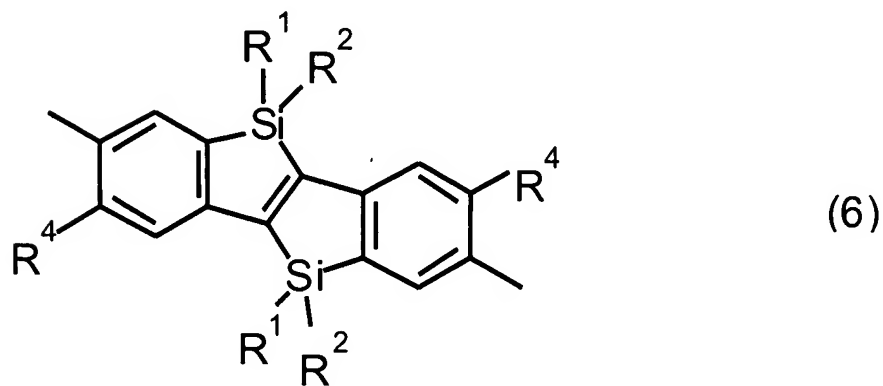
where each of R^1 and R^2 , independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R^4 is a substituent having ortho position activating effect, such as an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted

imino group, an oxazoridyl group, an aminoalkyl group, an alkoxyalkyl group, a sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; and m is from 0 to 50.

5. (Original) The condensed polycyclic π -conjugated organic material as set forth in claim 4, wherein the compound has formula (5):



6. (Original) The condensed polycyclic π -conjugated organic material as set forth in claim 4, wherein the compound has formula (6):

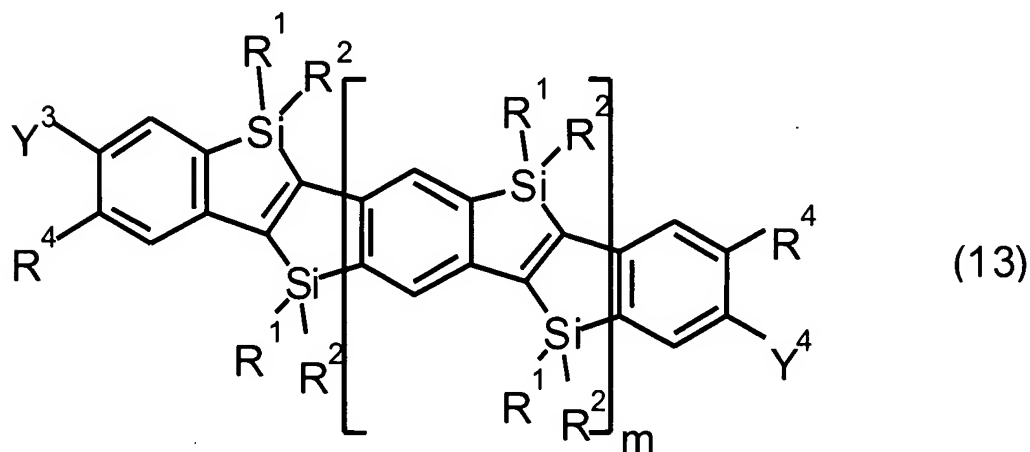


7. (Original) The condensed polycyclic π -conjugated organic material as set forth in claim 4, the polymer further comprising at least one repeating unit selected from the group consisting of formulae (7), (8), (9), (10), (11), and (12):



where each of Ar¹, Ar², Ar³, Ar⁴, Ar⁵, and Ar⁶, independent from the others, is an arylene group, a divalent heterocyclic group, or a divalent group having a metal complex structure; each of X¹, X², X³, X⁴, and X⁵, independent from the others, is -CR⁴=CR⁵-, -C≡C-, -N(R⁶)-, -B(R⁷)-, or -(SiR⁸R⁹)q-; each of R⁴ and R⁵, independent from the other, is a hydrogen atom, an alkyl group, an aryl group, a monovalent heterocyclic group, a carboxyl group, a substituted carboxyl group, or a cyano group; each of R⁶, R⁷, R⁸, and R⁹, independent from the others, is a hydrogen atom, an alkyl group, an aryl group, a monovalent heterocyclic group, or an arylalkyl group; each of o, p, and q, independent from the others, is an integer from 1 to 12.

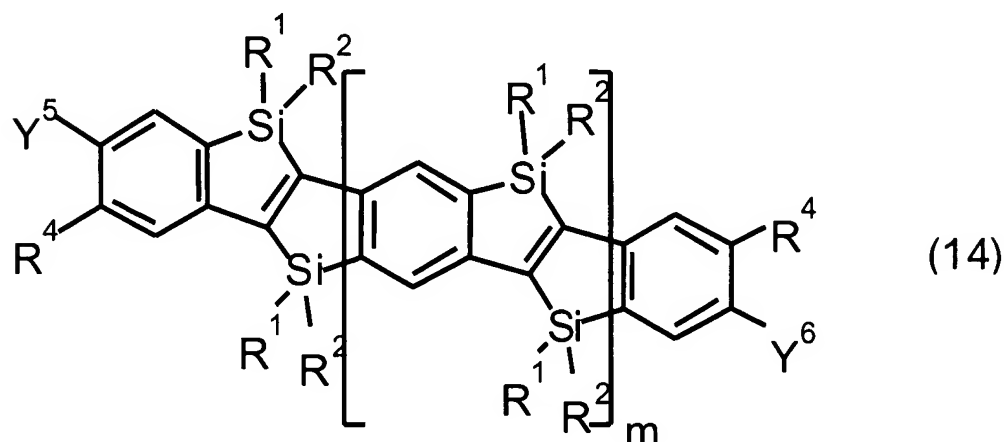
8. (Withdrawn) An intermediate product for a condensed polycyclic π -conjugated organic material, the product having formula (13):



where each of R^1 and R^2 , independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R^4 is a substituent having ortho position activating effect, such as an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted imino group, an oxazoridyl group, an aminoalkyl group, an alkoxyalkyl group, a sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; m is

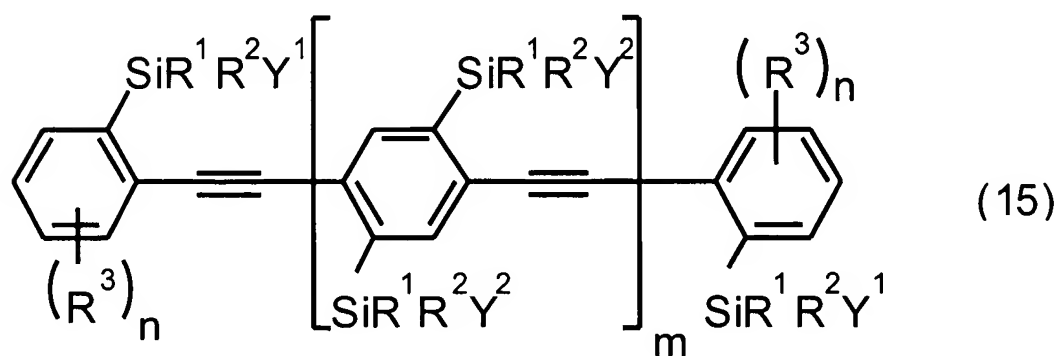
from 0 to 50; each of Y³ and Y⁴, independent from the other, is lithium, potassium, sodium, magnesium halide, magnesium amide, or dialkyl zinc.

9. (Withdrawn) An intermediate product for a condensed polycyclic π -conjugated organic material, the product having formula (14):

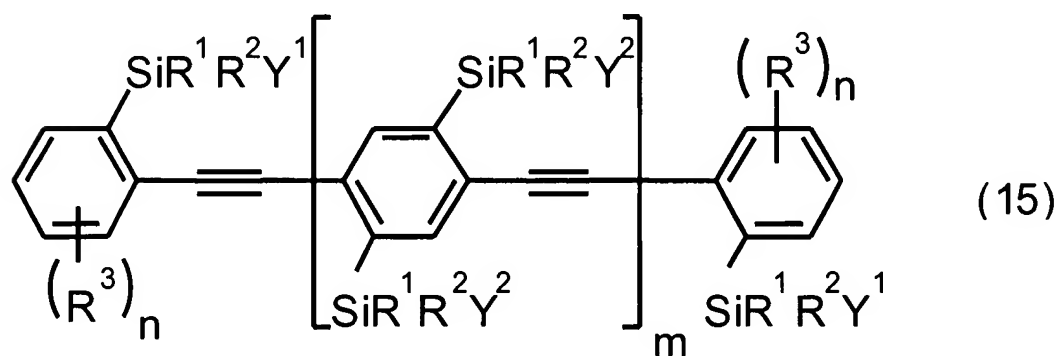


where each of R¹ and R², independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R⁴ is a substituent having ortho position activating effect, such as an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted imino group, an oxazoridyl group, an aminoalkyl group, an alkoxyalkyl group, a

sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; m is from 0 to 50; each of Y⁵ and Y⁶, independent from the other, is a halogen atom, magnesium halide, alkyl magnesium, dialkyl zinc, zinc halide, a silyl group, a substituted silyl group, a stannyl group, a substituted stannyl group, boronic acid, or boronic ester.



10. (Withdrawn) An intermediate product for a condensed polycyclic π -conjugated organic material, the product having formula (15):



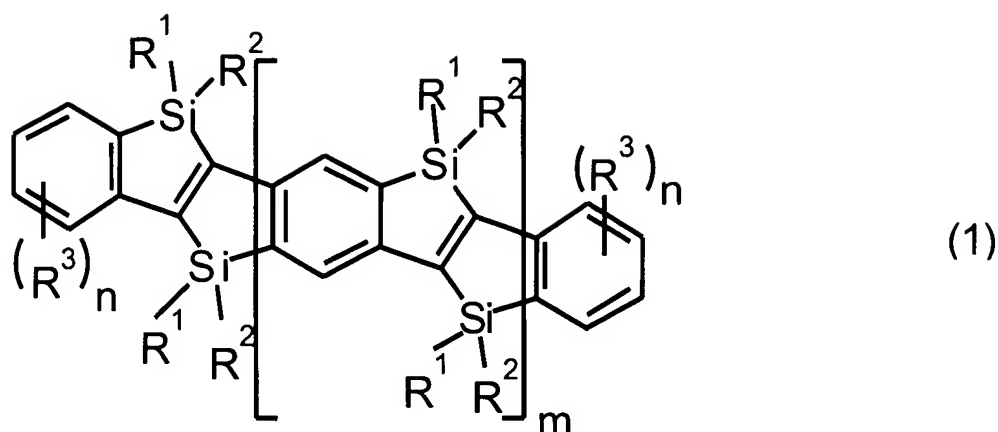
where each of Y¹ and Y², independent from the other, is a hydrogen atom, a halogen atom, an alkoxy group, an alkylthio group, an aryloxy group, an arylthio group, a silyl group, a substituted silyl group, a stannyl group, or a substituted

stannyl group; each of R¹ and R², independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R³ is a hydrogen atom, an alkyl group, an alkylthio group, an arylalkyl group, an arylthio group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted imino group, an oxazolidyl group, an aminoalkyl group, an alkoxyalkyl group, a sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; m is from 0 to 50; and n is from 0 to 4.

11. (Withdrawn) A method of manufacturing a condensed polycyclic π -conjugated organic material, comprising the steps of:

reacting a metal reducing agent with an aryl acetylene compound containing an organic silicon group; and

allowing an intramolecular reductive cyclization reaction to proceed, so as to yield a compound of formula (1):



where each of R^1 and R^2 , independent from the other, is a hydrogen atom, an alkyl group, an alkoxy group, an alkylthio group, an aryl group, an aryloxy group, an arylthio group, an arylalkyl group, an arylalkoxy group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an amino group, a substituted amino group, a silyl group, a substituted silyl group, a silyloxy group, a substituted silyloxy group, a monovalent heterocyclic group, a fluorinated alkyl group, or a halogen atom; R^3 is a hydrogen atom, an alkyl group, an alkylthio group, an arylalkyl group, an arylthio group, an arylalkylthio group, an arylalkenyl group, an arylalkynyl group, an alkoxy group, an aryloxy group, an arylalkoxy group, an amino group, a substituted amino group, a substituted silyl group, a substituted silyloxy group, a halogen atom, a trifluoromethyl group, a carbamoyl group, a substituted carbamoyl group, an imino group, a substituted imino group, an oxazoridyl group, an aminoalkyl group, an alkoxyalkyl group, a sulfo group, a substituted sulfo group, a substituted sulfamoyl group, a phosphoric ester group, a cyano group, an aryl group, or an ethynyl group; m is from 0 to 50; and n is from 0 to 4.

12. (Withdrawn) The method of manufacturing a condensed polycyclic π -conjugated organic material as set forth in claim 11, wherein the aryl acetylene compound is a phenyl acetylene compound.

<End of Claims Listing>